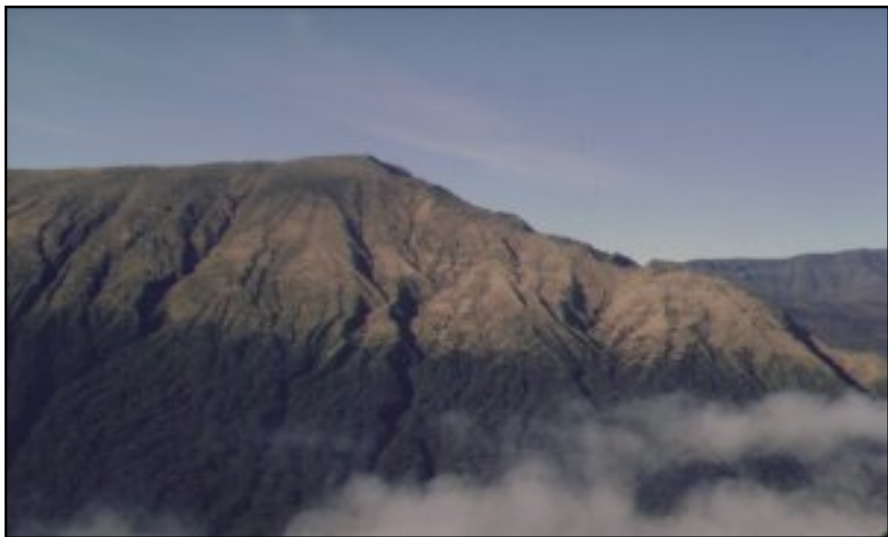


Assess Potential Effects of Global Climate Change on Hawaiian High-elev. Ecosystems



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Objectives:

- ☆ Develop models of microclimate and hydrology response to GCC
- ☆ Explore available paleoecological resources/evidence
- ☆ Test responses of selected organisms as indicators of global change

Accomplishments:

- ☆ Climate network in place & operating, w/ 9 years or more of data and monthly summaries
- ☆ Prelim. analyses of vegetation, surface pollen, & pollen cores
- ☆ Faunal analyses of *Megalagrion* damselflies in progress

Significance:

- ☆ “Listening post in the tropical Pacific” (high-elev. mountains through trade-wind inversion)
- ☆ Best microclimate elevational transect data set in Hawai‘i
- ☆ Potential predictive value for future water supplies